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cont than that of the core section, and the clad section has substantially the same shape as the core section.

47. (Amended) An organic waveguide comprising:

a substrate;

a buffer layer over the substrate;

a core section over the buffer layer, the core section being

C2 made of organic polymer; and

a clad section covering an upper surface of the core section and made of inorganic dielectric having a lower refractive index than that of the core section, and the clad section has substantially the same shape as the core section.

52. (Amended) An optical part, which comprises:

an organic waveguide; and

Sub D2
C3 an optical element selected from the group consisting of a photo-emitting element, a photo-receptive element and a lens, wherein the organic waveguide and the optical element are formed on a single substrate,

and the organic waveguide comprises:

a buffer layer over the substrate;

a core section over the buffer layer, the core section being made of organic polymer; and

C3
cont. a clad section covering an upper surface of the core section and made of an inorganic dielectric having a lower refractive index than that of the core section, and the clad section has substantially the same shape as the core section.

Please add the following claims:

--55. The organic waveguide as set forth in claim 1, wherein the clad section has a thickness of several microns.--

C4 --56. The organic waveguide as set forth in claim 1, wherein the clad section has a thickness of about 2 microns.--

--57. The organic waveguide as set forth in claim 1, wherein the clad section has been formed by sputtering, CVD or vapor deposition.--

Attached hereto is a marked-up version of the changes made to the application by this Amendment.